

FORM PTO-1449

ATTORNEY NO.

SERIAL NO.

NEB-20C2CD3

APPLICANTS:

INFORMATION DISCLOSURE STATEMENT

FILING DATE:

GROUP NO.

1c760 U.S. PTO
10/003136
11/19/01

U.S. PATENTS DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
CJZ	AAA	5,258,295	1993	Starr, et al.		

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES/NO
CJZ	AA	3326546	1983	Germany		
	AB	0 324 399	1989	EPO		
	AC	WO91/05256	1991	PCT		
	AD	WO92/02816	1992	PCT		
	AE	WO93/04074	1993	PCT		
	AF	WO93/05076	1993	PCT		
	AG	JP 06217769	1994	Japan		

Charles T. Jones 11/19/03

FORM PTO-1449

ATTORNEY NO.

SERIAL NO.

NEB-20C2CD3

INFORMATION DISCLOSURE STATEMENT

APPLICANTS:

Wong-Madden, et al.

FILING DATE:

GROUP NO.

CJ	BA	Hayward, J. Appl. Bacteriol. 43:407-412 (1977)
	BB	Glover, "Gene Cloning. The Mechanics of DNA Manipulation" 1984 by Chapman and Hall (London) pages 1-20
	BC	Kawasaki, et al., J. of Biological Chemistry 252:6536-6543 (1977)
	BD	Mizuochi, et al., J. of Biological Chemistry 253:7404-7409 (1978)
	BE	Sasaki, et al., J. of Biological Chemistry, 262:12059-12076 (1987)
	BF	Kagawa, et al., J. of Biological Chemistry, 263:17508-17515 (1988)
	BG	Parekh, et al. Biochemistry, 28:7644-7662 (1989)
	BH	Parekh, et al., Biochemistry, 28:7670-7679 (1989)
	BI	Wittwer, et al., Biochemistry 28:7662-7669 (1989)
	BJ	Barton, et al., Proc. Natl. Acad. Sci. 87:1913-1916 (1990)
	BK	Parekh, et al., European J. of Biochemistry, 203:135-141 (1992)
	BL	Rice, et al., Analytical Biochemistry, 206:278-287 (1992)
	BM	Lund, et al., Human Antibody Hybridomas, 4:20-25 (1993)
	BN	Galili, et al., Proc. Natl. Acad. Sci., 84:1369-1373 (1987)

FORM PTO-1449		ATTORNEY NO. NEB-20C2CD3	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Wong-Madden, et al.	
		FILING DATE:	GROUP NO.
C77	BO	Galili, et al., J. of Biological Chemistry 263:17755-17762 (1988)	
	BP	Lund, et al., Human Antibody Hybridomas, 4:20-25 (1993)	
	BQ	Dube, et al., J. Biological Chemistry, 33:17516-17521 (1988)	
	BR	Moremen, et al. J. of Biological Chemistry, 266:16876-16885 (1991)	
	BS	Sheares, et al., Proc. Natl. Acad. Sci., USA, 83:1993-1997 (1986)	
	BT	Edge, et al., Nature, 358:693-694 (1992)	
	BU	Landers, et al., BioTechniques, 14:98-108 (1993)	
	BV	AAAS 1993 Meeting (Boston, MA) Seminar "Concurrent Discussion Carbohydrate Structure Analysis & Glycobiology	
	BW	Edge, et al., Proc. Natl. Acad. Sci., 89:6338-6342 (1992)	
	BX	Jackson, Biochemistry Journal, 270:705-713 (1990)	
	BY	Turnbull and Gallagher, Biochem. J. 251:597-608 (1988)	
	BZ	Parekh, et al., The EMBO Journal, 6:1233-1244 (1987)	
	CA	Wang, et al., Analytical Biochemistry, 141:366-381 (1984)	
	J	CB	Prakash and Vijay, Analytical Biochemistry, 128:41-46 (1983)

FORM PTO-1449

ATTORNEY NO.

SERIAL NO.

NEB-20C2CD3

INFORMATION DISCLOSURE STATEMENT

APPLICANTS:

Wong-Madden, et al.

FILING DATE:

GROUP NO.

C12	CC	Baenziger and Maynard, J. of Biological Chemistry, 255:4607-4613 (1980)
	CD	Wang, et al., Analytic Biochemistry, 141:366-381 (1984)
	CE	Reinhold, et al., J. Carbohydrate Chemistry, 2:1-18 (1983)
	CF	Wells, et al., Analytical Biochemistry, 110:397-406 (1981)
	CG	Tronsmo and Harman, Analytical Biochemistry, 208:74-79 (1993)
	CH	Young, et al., Biochemistry, 10:3457-3460 (1971)
	CI	Yamashita, et al., Methods in Enzymology, 83:105-126 (1982)
	CJ	Yamashita, et al., J. of Biological Chemistry, 255:5635-5642 (1980)
	CK	Fukuda, Biochemistry, 24:2154-2163 (1985)
	CL	Turco, et al., Analytical Biochemistry, 118:278-283 (1981)
	CM	Camirand, et al., J. of Biological Chemistry, 266:15120-15127 (1991)
	CN	Umemoto, et al., J. Biol. Chem. 252:8609-8614 (1977)
	CO	Bhavanandan, et al., Biochemical and Biophysical Research Communications, 70:738-745 (1976)
	CP	Glasgow, et al., J. Biol. Chem. 252:8615-8623 (1977)
	CQ	Vliegenthart, et al., Advances in Carbohydrate Chemistry And Biochemistry, 41:209-375 (1983)

FORM PTO-1449

ATTORNEY NO.

SERIAL NO.

NEB-20C2CD3

INFORMATION DISCLOSURE STATEMENT

APPLICANTS:

Wong-Madden, et al.

FILING DATE:

GROUP NO.

C07	CR	Flowers and Sharon, Adv. Enzymol., 48:29-95 (1979)
	CS	Kobata, Department of Biochemistry, The Institute of Medical Science. The University of Tokyo, Japan, "The Carbohydrates of Glycoproteins", pages 87-161 (1982)
	CT	Dell, Advances in Carbohydrate Chemistry and Biochemistry 45:19-72 (1987)
	CJ	Conzelmann and Sanhoff, Adv. Enzymol. 60:89-216 (1987)
	CV	Rademacher, et al., Ann. Rev. Biochem., 57:785-838 (1988)
	CW	Dahms, et al., J. of Biological Chemistry, 264:12115-12118 (1989)
	CX	Paulson, TIBS, 14:272-276 (1989)
	CY	Spellman, Anal. Chem., 62:1714-1722 (1990)
	CZ	Lee, et al., Applied Biochemistry and Biotechnology, 23:53-80 (1990)
	DA	Cumming, Glycobiology, 1:115-130 (1991)
	DB	Ichikawa, et al., Analytical Biochemistry, 202:215-238 (1992)
	DC	Geisow, Bio/Technology, 10:277-280 (1992)
	DD	Edge, et al., Nature, 358:695 (1992)

FORM PTO-1449		ATTORNEY NO. NEB-20C2CD3	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Wong-Madden, et al.	
		FILING DATE:	GROUP NO.
C77	DE	Edge, et al., Nature, 358:693-694 (1992)	
	DF	Stanley, Glycobiology, 2:99-107 (1992)	
	DG	Varki, et al., Glycobiology, 3:97-130 (1993)	
	DH	Harris and Spellman, Glycobiology, 3:219-224 (1993)	
	DI	Spellman, Anal. Chemi. 62:1714-1722 (1990)	
	DJ	Kobata, Anal. Chem. 100:1-14 (1979)	
	DK	Schatzle, et al., J. of Biological Chemistry 267:4000-4007 (1992)	
	DL	Daniel, et al., Glycobiology, 2:327-336 (1992)	
	DM	DeGasperi, et al., J. of Biological Chemistry, 267:9706-9712 (1992)	
	DN	Tulsiani, et al., J. of Biological Chemistry, 257:3660-3668 (1982)	
	DO	Opheim, et al., J. of Biological Chemistry, 253:1017-1023 (1978)	
	DP	Tulsiani, et al., Archives of Biochemistry and Biophysics, 267:60-68 (1988)	
	DQ	Phillips, et al., Biochemistry J., 153:579-587 (1976)	
	DR	Tulsiani, et al., J. of Cell Biology, 109:1257-1267 (1989)	
	DS	Yamamoto, et al., Agr. Biol. Chem. 39:1981-1988 (1975)	

FORM PTO-1449		ATTORNEY NO. NEB-20C2CD3	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Wong-Madden, et al.	
		FILING DATE:	GROUP NO.
CDD	DT	Yamamoto, et al., J. Biochem. 91:1971-1979 (1982)	
	DU	Tulsiani, et al., J. of Biological Chemistry, 260:13081-13087 (1985)	
	DV	Bonay, Eur. J. Biochem. 197-229-238 (1991)	
	DW	Tabas, et al., J. of Biological Chemistry, 254:11655-11663 (1979)	
	DX	Tulsiani, et al., J. of Biological Chemistry, 252:3227-3233 (1977)	
	DY	Kaushal, et al., Biochemistry, 29:2168-2176 (1990)	
	DZ	Shoup, et al., J. of Biological Chemistry, 251:3845-3852 (1976)	
	EA	Snaith, et al., Biochem. J. 117:129-137 (1970)	
	EB	Bischoff, et al., J. of Biological Chemistry, 258:7907-7910 (1983)	
	EC	Yamashita, et al., Biochemical and Biophysical Research Communications 96:1335-1342 (1980)	
	ED	Kobata, et al., Methods in Enzymology, 138:779-785 (1987)	
	EE	Swaminathan, et al., J. of Biological Chemistry, 247:1775-1779 (1972)	
	EF	Matta, et al., J. of Biological Chemistry, 247:1780-1787 (1972)	
	EG	Okumura, et al., Methods Enzym. 28:792-796 (1972)	
	EH	Ichishima, et al., Biochimica et Biophysica Acta 658:45-53 (1981)	

FORM PTO-1449

ATTORNEY NO.

SERIAL NO.

NEB-20C2CD3

INFORMATION DISCLOSURE STATEMENT

APPLICANTS:

Wong-Madden, et al.

FILING DATE:

GROUP NO.

C07	B	Yu-Teh, et al., J. of Biological Chemistry, 242:5474-5480 (1967)
	EJ	Jones and Ballou, J. of Biological Chemistry 244:1043-1051 (1969)
	EK	Sukeno, et al., Methods Enzymol., 28:777-782 (1972)
	EL	Okumura, J. Biochem. 73:131-138 (1973)
	EM	Shigeta, et al., J. Biochem., 84:1827-1832 (1983)
	EN	Paus and Christensen, Eur. J. Biochem., 25:308-314 (1972)
	EO	Saita, et al. J. Biochem., 70P:827-833 (1971)
	EP	Tulsiani, et al., Biochem. J. 290:427-436 (1993)
	EQ	Every and Ashworth, Biochem. J. 133:37-47 (1973)
	ER	Snaith and Levvy, Biochem. J. 114:25-33 (1969)
	ES	Ziegler and Trimble, Glycobiology 1:605-614 (1991)
	ET	Sugahara, et al., Methods Enzym. 28B:769-772 (1992)
	EJ	McCabe, et al. Biochimica et Biophysica Acta 1077:133-140 (1991)
	EV	Sone, et al., J. Biochem., 83:1135-1144 (1978)
↓	EW	Bouguelet, et al., Biochimica et Biophysica Acta 522:521-530 (1978)

FORM PTO-1449

ATTORNEY NO.

SERIAL NO.

NEB-20C2CD3

INFORMATION DISCLOSURE STATEMENT

APPLICANTS:

Wong-Madden, et al.

FILING DATE:

GROUP NO.

C22	EX	Sopher, et al., Biochem. J. 289:343-347 (1993)
	EY	Toyoshima, et al. Biochemical and Biophysical Research Communications
		51:945-950 (1973)
	EZ	Li and Lee, J. of Biological Chemistry, 247:3677-3683 (1972)
	FA	Aminoff and Furukawa, J. of Biological Chemistry, 245:1659-1669 (1970)
	FB	Carlsen and Pierce, J. of Biological Chemistry, 247:23-32 (1972)
	FC	Opheim and Touster, J. of Biological Chemistry 252:739-743 (1977)
	FD	DiCioccio, et al., J. of Biological Chemistry 257:714-718 (1982)
	FE	Scudder, et al., J. of Biological Chemistry 265:16472-16477 (1990)
	FF	Sano, et al. J. of Biological Chemistry 267:1522-1527 (1992)
	FG	DeGasperi, et al., J. of Biological Chemistry, 267:9706-9712 (1992)
	FH	Butters, et al. Biochem. Journal, 279:189-195 (1991)
	FI	"alpha1, 2-L-Fucosidase From Arthrobacter oxidans F1" Takara
		Biochemicals, Takara Shuzo Co., Ltd.
	FJ	Yoshima, et al., Arch. of Biochem. and Biophysics 194:394-398 (1979)
	FK	Bahl, J. of Biological Chemistry 245:299-304 (1970)
	FL	Ogata-Arakawa, et al., Arch. of Biochem. and Biophy. 181:353-358 (1977)
↓		

FORM PTO-1449		ATTORNEY NO. NEB-20C2CD3	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Wong-Madden, et al.	
		FILING DATE:	GROUP NO.
C77	RM	Furukawa and Aminoff, Fed. Proc. 28:606 (1969)	
	FN	Kochibe, J. Biochem. 74:1141-1149 (1973)	
	FO	Suzuki, et al., J. of Biological Chemistry 245:781-786 (1970)	
	FP	Distler and Jourdian, J. of Biological Chemistry, 248:6772-6780 (1973)	
	FQ	Haibach, et al. Biochem. and Biophysical Research Communications 181:1564-1571 (1991)	
	FR	Dean and Sweeley, J. of Biological Chemistry, 254:9994-10000 (1979)	
	FS	Dey, Eur. J. Biochem., 140:385-390 (1984)	
	FT	Suzuki, et al., J. of Biological Chemistry 245:781-786 (1970)	
	FU	Williams, et al., Biochem. J. 175:1069-1077 (1978)	
	FV	Gherardini, et al., J. of Bacteriology, 161:500-506 (1985)	
	FW	Itoh, et al., Agric. Biol. Chem., 43:1499-1504 (1979)	
	FX	Li and Shetlar, Arch. of Biochem. and Bioph. 108:523-530 (1964)	
	FY	Dey and Pridham, Biochem. J. 113:49-55 (1969)	
	FZ	Yates, et al., FEBS Letters, 60:281-285 (1975)	
	GA	Zapater, et al. Preparative Biochemistry, 20:263-296 (1990)	

FORM PTO-1449		ATTORNEY NO. NEB-20C2CD3	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Wong-Madden, et al.	
		FILING DATE:	GROUP NO.
C22	GB	Shah and Parekh, Indian J. of Biochem and Biophy. 27:103-107 (1990)	
	GC	Li and Li, Methods Enzymol. 28:714-720 (1972)	
	GD	Malhotra and Dey, Biochem. J. 103:508-513 (1967)	
	GE	Talbot and Sygusch, Appl. and Environ. Microbiology, 56:3505-3510 (1990)	
	GF	Oishi, et al., Agr. Biol. Chem., 36:578-587 (1972)	
	GG	Kaji, et al., Agr. Biol. Chem. 36:1335-1342 (1972)	
	GH	Petek, et al., European J. Biochem. 8:395-402 (1969)	
	GI	Distler, et al., J. Biol. Chem., 248:6772-6780 (1973)	
	GJ	Dey, et al., Biochimica et Biophysica Acta, 370:269-275 (1974)	
	GK	Arakawa, et al., J. Biochem., 75:707-714 (1974)	
	GL	Tanaka, et al., J. Biochem., 77:241-247 (1975)	
	GM	Li, et al., J. Bio. Chem., 250:6786-6791 (1975)	
	GN	Akasaki, et al., J. Biochem. 80:1195-1200 (1976)	
	GO	Brandao, et al., J. Dairy Sci., 70:1331-1337 (1987)	
	GP	Shigeta, et al., J. Biochem., 110:136-140 (1991)	

FORM PTO-1449		ATTORNEY NO. NEB-20C2CD3	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Wong-Madden, et al.	
		FILING DATE:	GROUP NO.
C27	GQ	Product Literature, "Tools For Glycobiology, Beta-Galactosidase, Catalog No. X-5008," Oxford GlycoSystems, Abingdon, England (1992)	
	GR	Priyolkar, et al., Arch. Microbiol., 151:49-53 (1989)	
	GS	Paulson, et al., J. Biol. Chem., 253:5617-5624 (1978)	
	GT	Frost, et al., Biochem. 175:181-188 (1978)	
	GU	Hubert, et al., J. Biochem., 213:275-278 (1983)	
	GV	Johnson, et al., Arch. Biochem. Biophys. 138:408-411 (1970)	
	GW	Pisani, et al., Eur. J. Biochem., 187:321-328 (1990)	
	GX	Lo, et al., J. Biol. Chem. 254:6710-6715 (1979)	
	GY	Kiyohara, et al., J. Biochem., 80:9-17 (1976)	
	GZ	John, et al., Hemicellulose, date unknown.	
	HA	Matsuo, et al., Agric. Biol. Chem., 51:2367-2379 (1987)	
	HB	Kitpreechavanich, et al., Agric. Biol. Chem., 50:1703-1711 (1986)	
	HC	Shao, et al. J. Bacteriol. 174:5848-5853 (1992)	
	HD	Dobberstein, et al., Appl. Microbiol. Biotechnol. 35:210-215 (1991)	
	HE	Bachmann, et al., J. Gen. Microbiol. 135:293-299 (1989)	

FORM PTO-1449

ATTORNEY NO.

SERIAL NO.

NEB-20C2CD3

INFORMATION DISCLOSURE STATEMENT

APPLICANTS:

Wong-Madden, et al.

FILING DATE:

GROUP NO.

C77	HF	Buttner, et al., J. Basic Microbiology, 32:159:166 (1992)
	HG	John, et al., Can. J. Biochem., 57:125-134 (1978)
	HH	Yamashita, et al., Biochem. & Biophys. Res. Comm. 100:226-232 (1981)
	HI	Phyzackerley, et al. Biochemica et Biophysica Acta 362:129-135 (1974)
	HJ	Mitchell, et al., Phytochemistry, 15:1869-1871 (1976)
	HK	Ortiz, et al., Biochimica et Biophys. Acta 289:174-186 (1972)
	HL	Agrawal, et al. J. Biol. Chem., 243:103-111 (1968)
	HM	Bahl, et al., J. Biol. Chem. 244:2970-2978 (1969)
	HN	Berg, et al., App. & Environ. Micro. 40:40-47 (1980)
	HO	Findlay, et al., Biochem. J. 77:170-175 (1960)
	HP	Kimura, Biochimica et Biophysica Acta 446:399-406 (1976)
	HQ	St. Leger, et al., J. Inveterbrate Pathology, 58:415-426 (1991)
	HR	Robinson, et al. Biochem. J. 107:321-327 (1968)
	HS	Legler, et al., Biochimica et Biophysica Acta, 1080:89-95 (1991)
	HT	Mega, et al., J. Biochem. 68:109-117 (1970)

FORM PTO-1449

ATTORNEY NO.

SERIAL NO.

NEB-20C2CD3

INFORMATION DISCLOSURE STATEMENT

APPLICANTS:

Wong-Madden, et al.

FILING DATE:

GROUP NO.

CJ	HU	Ceccarini, et al., Eur. J. Biochem., 132:469-476 (1983)
	HV	Bedi, et al., Arch. Biochem. & Biophys. 233:237-250 (1984)
	HW	Verpoorte, Biochemistry, 13:793-799 (1974)
	HX	Frohwein, et al., Biochemistry 6:2775-2782 (1967)
	HY	Verpoorte, J. Biol. Chem., 347:4787-4793 (1972)
	HZ	Bedino, et al., "Comparative Study of Glycosidases From The Thermophilic Fungus Thermoascus Aurantiacus Miehe. Purification And Characterization of Intracellular Beta-Glucosidase" (Need Citation)
	IA	Imai, J. Biochem., 98:1405-1416 (1985)
	IB	Deshpande, et al., Eur. J. Biochem., 90:191-198 (1978)
	IC	Cruzet, et al., Biochem & Biophys. Res. Comm. 90:537:546 (1979)
	ID	Yague, et al., Eur. J. Biochem., 175:627-632 (1988)
	E	Shewale, et al., Arch. Biochem. & Biophys. 207:185-196 (1981)
	IF	Hosel, et al., Hoppe-Seyler's Z. Physiol. Chem. Bd. 358:959-966 (1977)
	IG	Hidalgo, et al., Biotech. & App. Biochem. 15:185-191 (1992)
J	IH	Sengupta, et al., Biochimica et Biophysica Acta, 1076:215-220 (1991)

FORM PTO-1449

ATTORNEY NO.

SERIAL NO.

NEB-20C2CD3

APPLICANTS:

INFORMATION DISCLOSURE STATEMENT

Wong-Madden, et al.

FILING DATE:

GROUP NO.

C07	II	Chirico, et al., Eur. J. Biochem., 165:333-341 (1987)
	IJ	Painbeni, et al., J. Bacteriology, 17:3087-3091 (1992)
	IK	Freer, Arch. Biochem. Biophys. 243:515-522 (1985)
	IL	Vimr, et al., J. of Bacteriology, 170:1495-1504 (1988)
	IM	Lee and Forsberg, Appl. and Environ. Micro., 54:651-654 (1987)
	IN	Panbangred, et al. Eur. J. Biochem., 138:267-273 (1984)
	IO	Bachmann and McCarthy, J. of Gen. Micro., 135:293-299 (1989)
	IP	Shao and Wiegel, J. Bacteriology 174:5848-5853 (1992)
	IQ	Buttner and Bode, J. Basic. Microbiol. 32:159-166 (1992)
	IR	Dobberstein and Emeis, Appl. Micro. Biotechnol., 35:210-215 (1991)
	IS	Garcia-Campayo, et al., Carbohydrate Research, 242:229-245 (1993)
	IT	Kerstens-Hilderson, et al., Eur. J. Biochem., 7:434:441 (1969)
	IU	John, et al., Can. J. Biochem., 57:125-134 (1979)
	IV	John and Schmidt, Methods in Enzymology, 160:662-671 (1988)
	IW	Matsuo and Yasui, Methods in Enzymology 160:684-695 (1988)

